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(54) Title: PROTEIN EXPRESSION YIELD ENHANCEMENT IN CELL-FREE PROTEIN SYNTHESIS SYSTEMS BY ADDITION OF ANTIFOAM AGENTS

(57) Abstract: Compositions and methods are provided for the *in vitro* synthesis of biological molecules in reaction mixtures comprising anti-foam agents. The reaction mix comprising antifoam agent may be a scaled up reaction, e.g. in reaction volume greater than at least about 15 ul. Reactions may be performed in various reactors, as known in the art, which include stirred reactors, bubble-column reactors; and the like.



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